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(54) Title: NOVEL ELECTRODES FOR LI-BASED ELECTROCHEMICAL ENERGY STORAGE DEVICES AND A LI-BASED ELECTROCHEMICAL STORAGE DEVICE

(57) **Abstract:** The description relates to the use of at least one transition metal halide with a binder, e.g. at least one of PVDF, PTFE, PAN and ETDM and optionally with at least one conductive additive such as carbon black, graphite, metal powder and metal fibres as an electrode in an Li-based electrochemical energy storage device. Further electrode materials are also described based on ruthenium oxide, molybdenum oxide, a nano-composite composed of transition metal and lithium fluoride or lithium oxide clusters with a typical grain size of 1-10 nm.

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